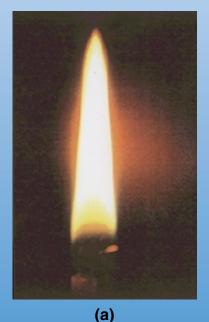
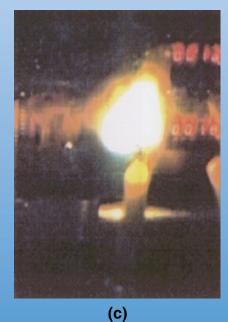


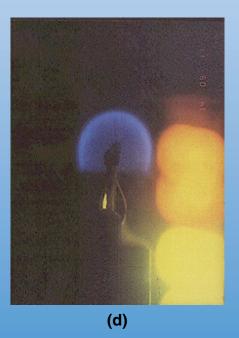


Candle Flames in Microgravity









Shown here are the flame appearances at Earth's gravity and then at various reduced gravitational levels and times. Whether a candle flame can be sustained in quiescent air in microgravity is a longstanding question of interest to physics and chemistry students as well as combustion scientists.

- (a) Earth gravity (1g)
- (b) NASA GRC Zero Gravity Facility (5 seconds at<0.00001 g)
- (c) NASA GRC Learjet test (20-25 seconds at <0.01-0.02 g)
- (d) Space Shuttle (days at <0.00001 g)